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<b>Substitute for form 1449A/B/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/806852
				Filing Date	March 23, 2004
				First Named Inventor	David C. Rueger
				Art Unit	1653
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	JJJ-P02-511

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			

FOREIGN PATENT DOCUMENTS						
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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
CYW	BG	WO 92/00382	01-09-1992	Carnegie Institution of Washington		

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	CN1	<del>JONES, et al. "Involvement of Bone Morphogenetic Protein 4 (BMP 4) and Vgr 1 in morphogenesis and neurogenesis in the mouse", Development 111, 531-542 (1991).</del>			

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	AA**	US-5,108,989	04-28-1992	AMENTO et al.	

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CYW	BA**	WO 84/01106	03-29-1984			
	BB**	WO 92/15323	09-17-1992			
	BC**	WO 94/03200	02-17-1994			
	BD**	WO 95/05846	03-02-1995			
	BE**	WO 95/06656	03-09-1995			
CYW	BF**	WO 95/10611	04-20-1995			

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CYW	CA**	AEBISCHER, et al. (1989), "Basic Fibroblast Growth Factor Released From Synthetic Guidance Channels Facilitating Peripheral Nerve Regeneration Across Long Nerve Gaps," 23 J. Neurosci. Res. 282-289.				
	CB**	BARDE (1989), "Trophic Factors and Neuronal Survival," 2 Neuron 1525-1534.				
	CC**	BASLER, et al., (1993), "Control of Cell Pattern in the Neural Tube: Regulation of Cell Differentiation by dorsalin-1, a Novel TGFB Family Member", 73 Cell, 687-702.				
	CD**	CARSWELL (1993), "The Potential for Treating Neurodegenerative Disorders with NGF-Inducing Compounds," 124 Exp. Neurol. 36.				
	CE**	DE KONINCK, et al. (1993), "NGF Induced Neonatal Rat Sensory Neurons to Extend Dendrites in Culture After Removal of Satellite Cells," 13 J. Neurosci. 577-585.				
	CF**	DEININGER, et al. (1995), "Detection of Two Transforming Growth Factor-B-Related Morphogens, Bone Morphogenetic Proteins -4 and 05, in RNA of Multiple Sclerosis and creutzfeldt-Jakob Disease Lesions," 90 Acta Neuropathol. 76-79.				
	CG**	DEDHAR, et al., (1993), "Differential Regulation of Expression of Specific Integrin Receptors by Nerve Growth Factor and Transforming Growth Factor B1 During Differentiation of Human Neuroblastoma Cells", 1(1): Molecular and Cellular Differentiation, 1-20.				
	CH**	EBENDAL (1992), "Function and Evolution in the NGF Family and Its Receptors," 32 J. Neurosci. Res. 461.				
	CI**	EBENDAL, et al. (1991) "Human Nerve Growth Factor: Biological and Immunological Activities, and Clinical Possibilities in the Neurodegenerative Disease," Plasticity and Regeneration of the Nervous System 207-225 (Timeras, et al., eds. Plenum Press NY).				
CYW	CJ**	FRIEDLANDER, et al. (1986), "Nerve Growth Factor Enhances Expression of Neuron-Bla Cell				
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		Adhesion Molecule in PC12 Cells," 102 J.C.B. 413-419.	
CYW	CK**	GASH, et al. (1996), "Functional Recovery in Parkinsonian Monkeys Treated with GDNF," 380 Nature 252-255.	
	CL**	GROSS, et al. (1993), "Transforming Growth Factor-B1 Reduces Infarct Size After Experimental Cerebral Ischemia in a Rabbit Model," 24 Stroke 558-562.	
	CM**	HEFTI, et al. (1993), "Pharmacology of Nerve Growth Factor in the Brain," 24 Adv. in Pharmacol. 239-273.	
	CN**	JACKOWSKI, et al. (1995), "Neural Injury Repair: Hope For The Future As Barrier To Effective CNS Regeneration Become Clearer," 9 Brit. J. Neurosurgery, 303-317.	
	CO**	Jones, et al. (1991), "Involvement of Bone Morphogenetic Proteins..." 111 Development 2:531-542.	
	CP**	LEE (1991), "Expression of Growth/Differentiation Factor 1 in the Nervous System: Conservation of a Bicistronic Structure," 88 Proc. Natl. Acad. Sci USA, 4250-4254.	
	CQ**	LEFER, et al (1992), "Anti-Ischaemic and Endothelial Protective Actions of Recombinant Human Osteogenic Protein (hOP-1)," J. Mol. Cell. Card 24:585-593.	
	CR**	LEIN, et al. (1995), "Osteogenic Protein-1 Induces Dendritic Growth in Rat Sympathetic Neurons in Vitro," 15 Neuron 597-605.	
	CS**	LEIN, et al. (1989), "Laminin and a Basement Membrane Extract Have Different Effects on Axonal and Dendritic Outgrowth From Embryonic Rat Sympathetic Neurons in Vitro," 136 Dev. Biol. 330-345.	
	CT**	LEROUX, et al (1994), "Regional Differences in Glial-Derived Factors That Promote Dendritic Outgrowth From Mouse Cortical Neurons In Vitro," 14 J. Neurosci. 8:4639-4655.	
	CU**	LUNDBORG (1987), "Nerve Regeneration and Repair," 58 Acta. Orthop. Scand. 145-169.	
	CV**	PERIDES, et al. (1995), "Neuroprotective Effect of Human Osteogenic Protein 1 in a Rat Model of Cerebral Hypoxia/Ischemia," 187 Neurosci. Lett. 21-24.	
	CW**	PURVES, et al. (1988), "Trophic Regulation of Nerve Cell Morphology and Innervation in the Autonomic Nervous System," 336 Nature 123-128.	
	CX**	REISSMAN, et al. (1996), "Involvement of Bone Morphogenetic Protein-4 and Bone Morphogenetic Protein-7 In The Differentiation of the Adrenergic Phenotype In Developing Sympathetic Neurons," 122 Development 2079-2088.	
	CY**	ROUBIN, et al (1990), "Modulation of NCAM Expression by Transforming Growth Factor-Beta, Serum, and Autocrine Factors," 111 J. Cell Biol. 673-684.	
	CZ**	SADD, et al. (1991), "Astrocyte-Derived TGF-B2 and NGF Differentially Regulate Neural Recognition Molecule Expression by Cultured Astrocytes," J. Cell Biol. 2473-483.	
	CA1**	SASAI, et al. (1995), "Regulation of Neural Induction by the Chd and Bmp-4 Antagonistic Patterning Signals in Xenopus," Nature 367:333-356.	
	CB1**	SCHUBERT, et al., (1990) "Activin is a Nerve Cell Survival Molecule", Nature, 344:868:870.	
	CC1**	SHAH, et al. (1995), "Alternative Neural Crest Cell Fates Are Instructively Promoted by TGF-B Superfamily Members," 85 Cell 331-343.	
	CD1**	SNIDER (1988), "Nerve Growth Factor Enhances Dendritic Arborization of Sympathetic Ganglion Cells in Developing Mammals," 8 J. Neurosci. 2628-2634.	
	CE1**	Stromberg, et al. (1993), "Glial Cell Line-Derived Neurotrophic Factor is Expressed in the Developing but Not Adult Striatum and Stimulates Developing Dopamine Neurons in vivo," 124 Exp. Neurol. 401-412.	
	CF1**	TOMAC, et al. (1995), "Protection and Repair of the Nigrostriatal Dopaminergic System by GDNF in vivo," 373 Nature 335-346.	
	CG1**	WILSON, et al. (1995), "Induction of Epidermis and Inhibition of Neural Fate by Bmp-4," 376 Nature 331-333.	
CYW	CH1**	WITHERS, et al. (1996), "Receptivity of Osteogenic Protein-1 (P-1) - Induced Dendrites to Axonal Innervation," Society for Neuroscience, meeting abstract.	

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CYW	CI1**	WITHERS, et al. (1995), "Osteogenic Protein-1 (OP-1) Induces Dendritic Growth and Branching in Cultured Hippocampal Neurons", Society for Neuroscience, meeting abstract.	
	CJ1**	RUDINGER, (1976), Peptide Hormones, ed. Parsons, Univ. Park Press, p. 1-7.	
↓	CK1**	VARLEY, et al., (1995) Developmental Dynamics 203:434-447.	
	CL1**	The Merck Manual of Diagnosis and Therapy, 16th ed., (editor-in-chief Berkow), p. 1512-1513.	
CYW	CM1*	GUO, et al. (1998), "Osteogenic protein-1 and related bone morphogenetic proteins regulate dendritic growth and the expression of microtubule-associated protein-2 in rat sympathetic neurons," Neuroscience Letters 245 131-134.	

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